

CLAIMS

What is claimed is:

1. A composition comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat renal failure in a subject, said ability resulting from their having been cultured in the presence of an alternating electric field having a frequency in the range of about 9500 to 13000 MHz and a field strength in the range of about 220 to 480 mV/cm, as compared to yeast cells not having been so cultured.
2. The composition of claim 1, wherein said frequency is in the range of about 9750-10500, 12000-12500 or 12600-12980 MHz.
3. The composition of claim 1, wherein said field strength is in the range of about 250-270, 260-280, 280-305, 290-310, 315-335, 325-345, 350-370, 370-390, 380-400, 380-420, or 430-450 mV/cm.
4. The composition of claim 1, wherein said yeast cells are cells of the species *Saccharomyces cerevisiae*, *Saccharomyces carlsbergensis*, *Saccharomyces rouxii*, *Saccharomyces sake*, *Saccharomyces uvarum*, *Saccharomyces sp.*, *Schizosaccharomyces pombe*, *Rhodotorula aurantiaca*, or *Rhodotorula rubra*.
5. The composition of claim 1, wherein said yeast cells are derived from cells of the strain deposited at the China General Microbiological Culture Collection Center with an accession number selected from the group consisting of *Saccharomyces cerevisiae* Hansen AS2.16, AS2.112 and AS2.504, *Saccharomyces sp.* AS2.311, *Schizosaccharomyces pombe* Lindner AS2.274, *Saccharomyces sake* Yabe ACCC2045, *Saccharomyces uvarum* Beijer IFFI1207, *Saccharomyces rouxii* Boutroux AS2.370, *Saccharomyces cerevisiae* Hansen Var. ellipsoideus AS2.612,

Saccharomyces carlsbergensis Hansen AS2.417, and *Rhodotorula rubra* (Demme) Lodder AS2.105.

6. The composition of claim 1, wherein said composition is in the form of a tablet, powder, or a health drink.

7. The composition of claim 6, wherein said composition is in the form of a health drink.

8. A method for improving kidney functions in a subject comprising administering to said subject a composition of claim 1.

9. The method of claim 8 comprising oral administration.

10. A method of preparing a yeast composition, comprising culturing a plurality of yeast cells in the presence of an alternating electric field having a frequency in the range of about 9500 to 13000 MHz and a field strength in the range of about 220 to 480 mV/cm, wherein said composition is capable of treating renal failure in a subject.

11. The composition of claim 10, wherein said frequency is in the range of about 9750-10500, 12000-12500 or 12600-12980 MHz.